

EXHIBIT E

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☒ Search Tips**Interference Pigments**

<b>117471</b>	<b>Timiron® MP-60 Bronze</b>
<b>117473</b>	<b>Timiron® MP-65 Copper</b>
<b>117479</b>	<b>Timiron® Splendid Violet</b>
<b>117211</b>	<b>Timiron® Blue MP-155</b>
<b>117214</b>	<b>Timiron® Blue Red MP-176</b>
<b>117222</b>	<b>Timiron® Gold Glow MP-26</b>
<b>117210</b>	<b>Timiron® Gold MP-127</b>
<b>117213</b>	<b>Timiron® Red MP-175</b>
<b>117241</b>	<b>Timiron® Silk Blue</b>
<b>117239</b>	<b>Timiron® Silk Gold</b>
<b>117242</b>	<b>Timiron® Silk Green</b>
<b>117240</b>	<b>Timiron® Silk Red</b>
<b>117476</b>	<b>Timiron® Splendid Blue</b>
<b>117478</b>	<b>Timiron® Splendid Copper</b>
<b>117474</b>	<b>Timiron® Splendid Gold</b>
<b>117477</b>	<b>Timiron® Splendid Green</b>
<b>117475</b>	<b>Timiron® Splendid Red</b>
<b>117388</b>	<b>Timiron® Starlight Blue</b>
<b>117392</b>	<b>Timiron® Starlight Gold</b>
<b>117396</b>	<b>Timiron® Starlight Green</b>
<b>117383</b>	<b>Timiron® Starlight Red</b>
<b>117186</b>	<b>Timiron® Super Blue</b>
<b>117358</b>	<b>Timiron® Super Copper</b>
<b>117217</b>	<b>Timiron® Super Gold</b>
<b>117185</b>	<b>Timiron® Super Green</b>
<b>117187</b>	<b>Timiron® Super Red</b>
<b>117359</b>	<b>Timiron® Super Violet</b>

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**Technical Data Sheet****MERCK**

Product Group:

117241 Timiron® Silk Blue

**Application:**

Literature:

**General Product Information:**

Density	3.1 - 3.3 g/cm <sup>3</sup>	20 °C
Bulk density	430 - 470 kg/m <sup>3</sup>	
HS code	3206 19 00	
Storage	Without limitations.	
SDS	available	
S phrase	S 22	

**Chemical /Physical Data:**

Odour	odourless	
Form	powder	
Color	greyish-white	
pH value	8.0 - 11.0 (slurry)	100 g/l, water, 20 °C
Solubility in water	almost insoluble	20 °C

**Toxiological Data:****Package Information:**

Order Number:	Package:	Packages per pallet:	Packages:
1172411000	1 kg		Plastic bottle
1172419025	25 kg		Carton

**Advice:****Consulting services**

We offer our customers consulting services in questions of application technology to the best of our knowledge within the framework of the prevailing circumstances. Information and recommendations given by us are without obligation.

The existing laws and directives are to be complied with in all cases. This also applies to any protection rights of third parties.

Our suggestions do not exempt our customers from the necessity of taking responsibility for checking our products for their suitability for the purposes intended.

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**Technical Data Sheet****MERCK**

Product Group:

117213 Timiron® Red MP-175

**Application:**

Literature:

**General Product Information:**

Density	2.9 - 3.1 g/cm <sup>3</sup>	20 °C
Bulk density	320 - 360 kg/m <sup>3</sup>	
HS code	3206 19 00	
Storage	Without limitations.	
SDS	available	
S phrase	S 22	

**Chemical /Physical Data:**

Odour	odourless	
Form	powder	
Color	white to yellowish-white	
pH value	8.0 - 11.0 (slurry)	100 g/l, water, 20 °C
Solubility in water	almost insoluble	20 °C

**Toxiological Data:**

MAK concentration	1.5 mg/m <sup>3</sup>
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**Package Information:**

Order Number:	Package:	Packages per pallet:	Packages:
1172131000	1 kg		Plastic bottle
1172139025	25 kg		Carton

**Advice:****Consulting services**

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**Technical Data Sheet****MERCK**

Product Group:

117476 Timiron® Splendid Blue

**Application:**

Literature:

**General Product Information:**

Density	3.0 - 3.3 g/cm <sup>3</sup>	20 °C
Bulk density	300 - 360 kg/m <sup>3</sup>	
HS code	3206 19 00	
Storage	Without limitations.	
SDS	available	
S phrase	S 22	

**Chemical /Physical Data:**

Odour	odourless	
Form	powder	
Color	white to yellowish-white	
pH value	8.0 - 11.0 (slurry)	100 g/l, water, 20 °C
Solubility in water	almost insoluble	20 °C

**Toxiological Data:**

MAK concentration	1.5 mg/m <sup>3</sup>
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**Package Information:**

Order Number:	Package:	Packages per pallet:	Packages:
1174761000	1 kg		Plastic bottle
1174769025	25 kg		Carton

**Advice:****Consulting services**

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**Technical Data Sheet****MERCK**

Product Group:

**117359 Timiron® Super Violet****Application:**

Literature:

**General Product Information:**

Density	3.1 - 3.3 g/cm <sup>3</sup>	20 °C
Bulk density	320 - 360 kg/m <sup>3</sup>	
HS code	3206 19 00	
Storage	Without limitations.	
SDS	available	
S phrase	S 22	

**Chemical /Physical Data:**

Odour	odourless	
Form	powder	
Color	white to yellowish-white	
pH value	8.0 - 11.0 (slurry)	100 g/l, water, 20 °C
Solubility in water	almost insoluble	20 °C

**Toxiological Data:****Package Information:**

Order Number:	Package:	Packages per pallet:	Packages:
1173591000	1 kg		Plastic bottle
1173599025	25 kg		Carton

**Advice:**

Consulting services

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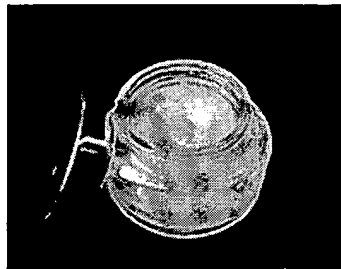
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Change the nature of things.

## Flamenco® pearlescent and iridescent pigments



Engelhard Flamenco pigments are used to create lustrous or opalescent effects in all types of cosmetics and personal care products. Flamenco white effect enhancing pigments are titanium dioxide-coated mica platelets that come in a range of particle sizes with varying degrees of luster. For example, the Flamenco Satin Pearl grade combines relatively low luster with excellent coverage and often is used in matte-look cosmetics. The Pearl grade is an intermediate particle size pearl designed for a wide range of applications needing intense brilliance. The Ultra Sparkle grade, which has the largest particle size in this family, combines transparency with a silvery-white sparkle effect.

Flamenco color pigments use thin, precisely controlled films of titanium dioxide on mica to separate white light into its component parts and produce twin colors, one by reflection and one by transmission, which then appear as iridescence. Flamenco iridescent colors are available in a range of particle sizes to provide just the right amount of luster for customer applications. They can be used alone or combined with other colorants to create novel effects in all types of cosmetics and personal care products. For example, Flamenco Sparkle colors add shimmer and glitter to all types of products. They are ideal for formulations that call for complex color interplay and a glittery appearance. Flamenco Satin colors provide intense interference color and subtle luster for matte-type and low luster cosmetic and personal care formulations. They have the smallest particle size of any cosmetic grade interference colors and provide excellent coverage and a fine, satin appearance. Flamenco Twilight colors are used to create intense, dark interference highlights against any background. They create an antique look and, when combined with other colorants, yield a wide range of complex colors.

For more information, contact [Ginger Kilyk](#)

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Flamenco Interference Colors				
Flamenco Colors				
Flamenco Colors use thin, precisely controlled films of titanium dioxide on mica to separate white light into its component parts and produce twin colors, one by reflection and one by transmission, that then appear as iridescence. they are available in a range of particle sizes. The small sizes produce more subtle effects, while larger ones impart higher levels of luster.				
Grade	Product Code	Reflection / Transmission Color	Particle Size microns (Average )	Application Notes
Gold	220C	Gold/ Blue	6-48 (25)	Intermediate particle size pigments that can be used alone or combined with other colorants to create novel effects in all types of cosmetics and personal care products. foe example, when Flamenco Green is added to a pink creme eye shadow it creates a green highlight against the pink background color of the eye shadow.  When Flamenco Blue and a red colorant are added to a nail enamel, the finished product has blue highlights on a red background. The effects possible with these pigments cannot be matched by conventional pigments and dyes.
Orange	320C	Orange / Blue-Green	6-48 (25)	
Red	420C	Red / Green	6-48 (25)	
Violet	520C	Violet / Yellow-Green	6-48 (25)	
Blue	620C	Blue/ Yellow	6-48 (25)	
Green	820C	Green / Red	6-48 (25)	
Flamenco Sparkle Colors				
Flamenco Sparkle Colors are large particle size effect enhabcing pigments, available in a full range of interference colors, that add shimmer and glitter to all types of cosmetics and personal care products. these dispersable powders give formulators a number of new capabilities. They are the first sparkle interference pearls suitable for global cosmetic formulations. They also retain high color intensity even though they contain				

large particles.

Grade	Product Code	Reflection / Transmission Color	Particle Size microns (Average)	Application Notes
Sparkle Gold	220J	Gold/ Blue	16-128 (47)	Ideal for formulations that call for complex color interplay and a glittery appearance. When used with other colorants, they create a spectrum of striking highlights. For instance, Sparkle Violet can add a shimmery violet highlight to gold eye shadow and Sparkle Blue can add an opalescent blue highlight to pink lipstick.
Sparkle Orange	320J	Orange / Blue-Green	16-128 (47)	
Sparkle Red	420J	Red / Green	16-128 (47)	
Sparkle Violet	520J	Violet / Yellow-Green	16-128 (47)	
Sparkle Blue	620J	Blue/ Yellow	16-128 (47)	
Sparkle Green	820J	Green / Red	16-128 (47)	

**Flamenco Satin Colors**

Fine particle size Flamenco Satin Colors provide intense interference color and subtle luster for matt-type and low luster cosmetics and personal care formulations. they have the smallest particle size of any cosmetic grade interference colors, and provide excellent coverage and a fine, satin appearance.

Grade	Product Code	Reflection / Transmission Color	Particle Size microns (Average)	Application Notes
Satin Gold	260M	Gold/ Blue	2-24 (6)	As tin-free, rutile interference pigments, they are ideal for cosmetics intended for global distribution. When used with other colorants, Flamenco satin Colors create complex color interplay.
Satin Orange	360M	Orange / Blue-Green	2-24 (6)	
Satin Red	460M	Red / Green	2-24 (6)	
Satin Violet	560M	Violet / Yellow-Green	2-24 (6)	
Satin Blue	660M	Blue/ Yellow	2-24 (6)	
Satin Green	860M	Green / Red	2-24 (6)	

**Flamenco Twilight Colors**

Grade	Product Code	Reflection / Transmission Color	Particle Size microns (Average)	Application Notes
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Grade	Product Code	Reflection / Transmission Color	Size microns (Average)	Application Notes
Gold	230ZB	Gold/ Blue	4-48 (18)	Flamenco Twilight Colors are used in all types of cosmetics and personal care products to create intense, dark interference highlights against any background. They create an antiqued look and, when combined with other colorants, a wide range of complex colors.
Red	30ZB	Red / Green	4-48 (18)	
Blue	30ZB	Blue/ Yellow	4-48 (18)	
Green	30ZB	Green / Red	4-48 (18)	